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Making Anatomical Preparations of the Human Brain Using Colored Silicone for Vascular Perfusion Staining (Technical Description)

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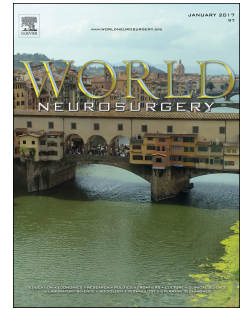
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MAKING ANATOMICAL PREPARATIONS OF THE HUMAN BRAIN USING COLORED SILICONE FOR VASCULAR PERFUSION STAINING (TECHNICAL DESCRIPTION)

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Abstract

Introduction

Thorough understanding of the central nervous system anatomy is a fundamental part of a neurosurgeon's training. Development of novel neurosurgical approaches and optimization of existing ones directly depend on the comprehensive study of topographic anatomy of the head and neck using cadaveric specimens. Staining the vessels of the arterial and venous systems of a cadaveric specimen aids the detailed understanding of the vascularization of anatomical structures of the brain.

Purpose

To present an alternative expedited method of making anatomical preparations of the human brain using colored silicone for vascular perfusion staining.

Materials and methods

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